

Appl. No. 10/626,730
Amtd. Dated Sept 29, 2005
Reply to Office Action of June 29, 2005

REMARKS

Claims 1-37 were pending.

Claims 1, 2, 9-11, 19, 20, 28, 29 and 33 are cancelled herein

Claims 3, 12-18, 21-27 and 35-37 are amended herein.

New Claim 38 is added herein.

Claims 24-26 and 35-37 were rejected under 35 USC 112, first paragraph, as failing to comply with the enablement requirement. In response Applicants have amended claims 24-26, claims 35-37 and paragraph [007] of the specification to correct a typographical error. Support for the amendment can be found at paragraph [0063] of the specification. It is respectfully submitted that the application as filed enables one skilled in the art to make the invention commensurate in scope with the claims as amended herein. Reconsideration and withdrawal of the rejection under 35 USC 112, first paragraph in light of the amended claims is respectfully requested.

Claims 1-37 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Claims 1, 2, 9-11, 19, 20, 28, 29 and 33 have been cancelled thereby obviating the rejections with respect to those claims. Applicants have amended the remaining claims to more particularly point out and distinctly claim the present invention.

With respect to original claims 1, 21 and 27, it is the Examiner's position that it is not clear if the claim recitation of "in direct contact with" has the same meaning as "in physical contact with". As pointed out in the Office Action under reply, paragraph [006] of the present specification teaches that unless it is specified that the first layer is "in physical contact with" the second layer, there may be other layers between the first and second layer. In order to more particularly point out and distinctly claim the present invention, claim 3 (which has been re-written in independent form and incorporates the limitations of cancelled claim 1) and claims 21 and 27 have been amended to recite "in physical contact with" rather than "in direct contact with". Support for these amendments can be found in the present specification at paragraphs [0037] and [0038] when read in conjunction with Figure 3. Figure 3 depicts device 300 having electron transport layer 345 positioned between organic enhancement layer

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340 and cathode 360. As explained in the specification, "Figure 3 shows a device 300 having an organic enhancement layer that is *not* in 'direct contact' with the cathode, because there is a separate electron transport layer" (Specification, paragraph [0038], *emphasis added*). Applicants therefore submit that paragraph [0038] in conjunction with Fig. 3 teaches that the phrase "in direct contact with" has the same meaning as "in physical contact with" in the present specification.

With respect to the term " C_nF_{2n+1} " recited in original claims 1, 3, 11-13 and 27, claims 1 and 11 have been cancelled and claims 3, 12, 13 and 27 have been amended to replace the term " C_nF_{2n+1} " with the term "perfluoroalkyl", as suggested by the Examiner, and to delete the superfluous recitation of " CF_3 ".

Claim 12 has been rewritten in independent form in order to more particularly point out and distinctly claim the present invention.

Claims 17 and 18 have been amended to more particularly point out and distinctly claim the present invention by reciting the conditions for determining the fluorescence peak for the materials as "present in the device." Support for the amendments can be found at paragraphs [008] and [0064].

It is the Examiner's position that the limitations imposed by claims 19 and 20 are not clear because it is not clear how thermal stability is measured. Claims 19 and 20 have been cancelled thereby obviating the rejections with respect to those claims.

Reconsideration and withdrawal of the rejections under 35 USC 112, second paragraph in light of the amended claims is respectfully requested.

In light of the miscellaneous comments in the Office Action under reply, claims 15 and 16 have been amended to particularly point out and distinctly claim the present invention by reciting the materials of Formulas V and XI as having glass transition temperatures of at least about 95°C and at least about 108°C respectively. Support for the amendments can be

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found at paragraph [0066]. Applicants respectfully submit that the compounds of Formulas V and XI as recited in the presently amended claims are novel and non-obvious.

Claims 11 and 29 have been cancelled as substantial duplicates of amended claims 7 and 27 respectively.

Claims 1, 2, 21, 23, 27-30, 32 and 34 were rejected under 35 U.S.C. 102(b) as being anticipated by Aziz et al. (US 6,3 92,250 B I) and were also rejected under 35 U.S.C. 102(e) as being anticipated by Seo et al. (US 2003/0020088 A1). Claims 1, 2, 28 and 29 have been cancelled herein thereby obviating the rejections with respect to those claims. Applicants respectfully submit that the amendments to claims 21 and 23, which now depend from claim 3 as amended, overcome the rejections under 35 U.S.C. 102(b) and 35 U.S.C. 102(e) with respect to those claims. Applicants further submit that the amendment to independent claim 27 overcomes the rejections under 35 U.S.C. 102(b) and 35 U.S.C. 102(e) with respect to claim 27 and claims 30, 32 and 34 depending therefrom. Reconsideration and withdrawal of the rejections under 35 U.S.C. 102(b) and 35 U.S.C. 102(e) in light of the amended claims is respectfully requested.

Claims 9, 10, 22, 30 and 31 were rejected under 35 U.S.C. 103(a) as being unpatentable over Aziz et al. (US 6,392,250 B1) as applied to claims 1, 2, 21, 23, 27-30, 32 and 34, and further in view of Hu et al. (US 5,925,472). Claims 9 and 10 have been cancelled herein thereby obviating the rejections with respect to those claims. Applicants respectfully submit that the amendment to claim 22 (which now depends from claim 3 as amended) and the amendment to independent claim 27 (from which claims 30 and 31 depend) overcome the rejections under 35 U.S.C. 103(a). Reconsideration and withdrawal of the rejection under 35 U.S.C. 103(a) in light of the amended claims is respectfully requested.

CONCLUSION

Having fully addressed the Examiner's rejections and comments, it is respectfully submitted that this application is in condition for allowance. The cited references, whether taken alone or in combination, do not teach or suggest the present claims as amended herein.

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An early and favorable response is earnestly solicited. If a telephone interview would assist in advancing the prosecution of the subject application, the Examiner is invited to telephone applicant's undersigned attorney at the number provided.

The Commissioner is hereby authorized to charge any fees which may be due and owing with respect to this amendment to Deposit Account No. 502897.

Respectfully submitted,



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